

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1207893

Luminaire Tested: UPW-SA1-030-750-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-750-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5186 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

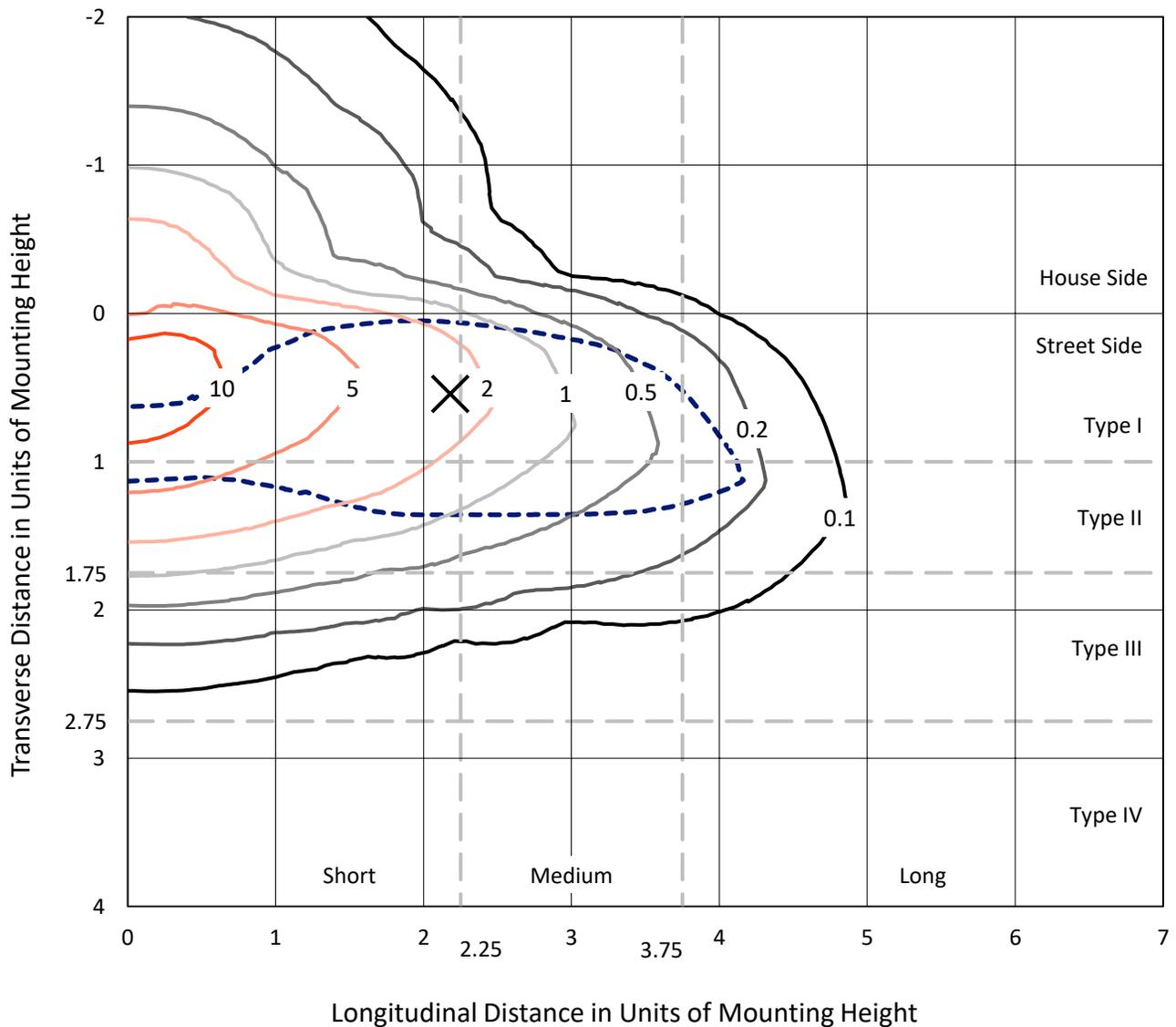


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

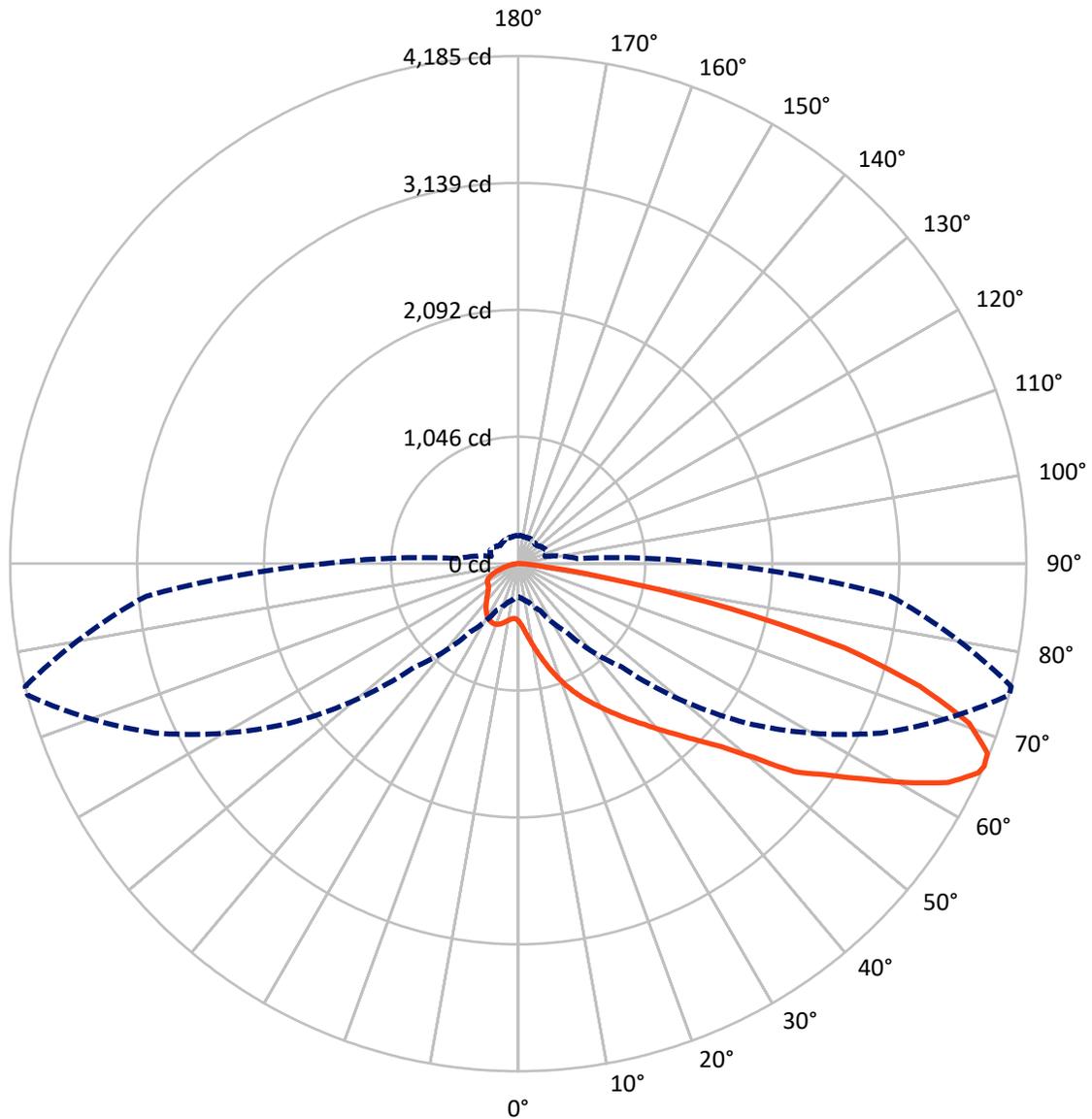


Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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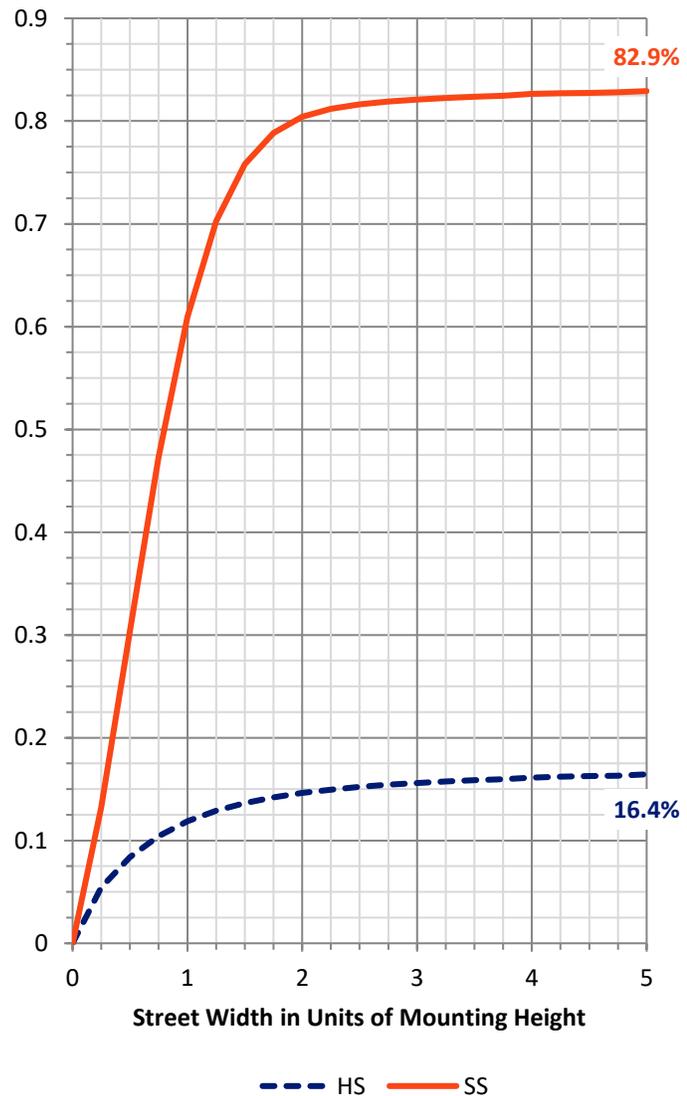
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	872.6	0.0	872.6
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	4313.4	0.0	4313.4
	% Fixture	83.2	0.0	83.2
Total	Lumens	5186.0	0.0	5186.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.1
10°-20°	226.2	4.4
20°-30°	439.5	8.5
30°-40°	717.3	13.8
40°-50°	980.0	18.9
50°-60°	1141.6	22.0
60°-70°	1023.4	19.7
70°-80°	517.2	10.0
80°-90°	83.5	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5186.0	100.0
0°-180°	5186.0	100.0



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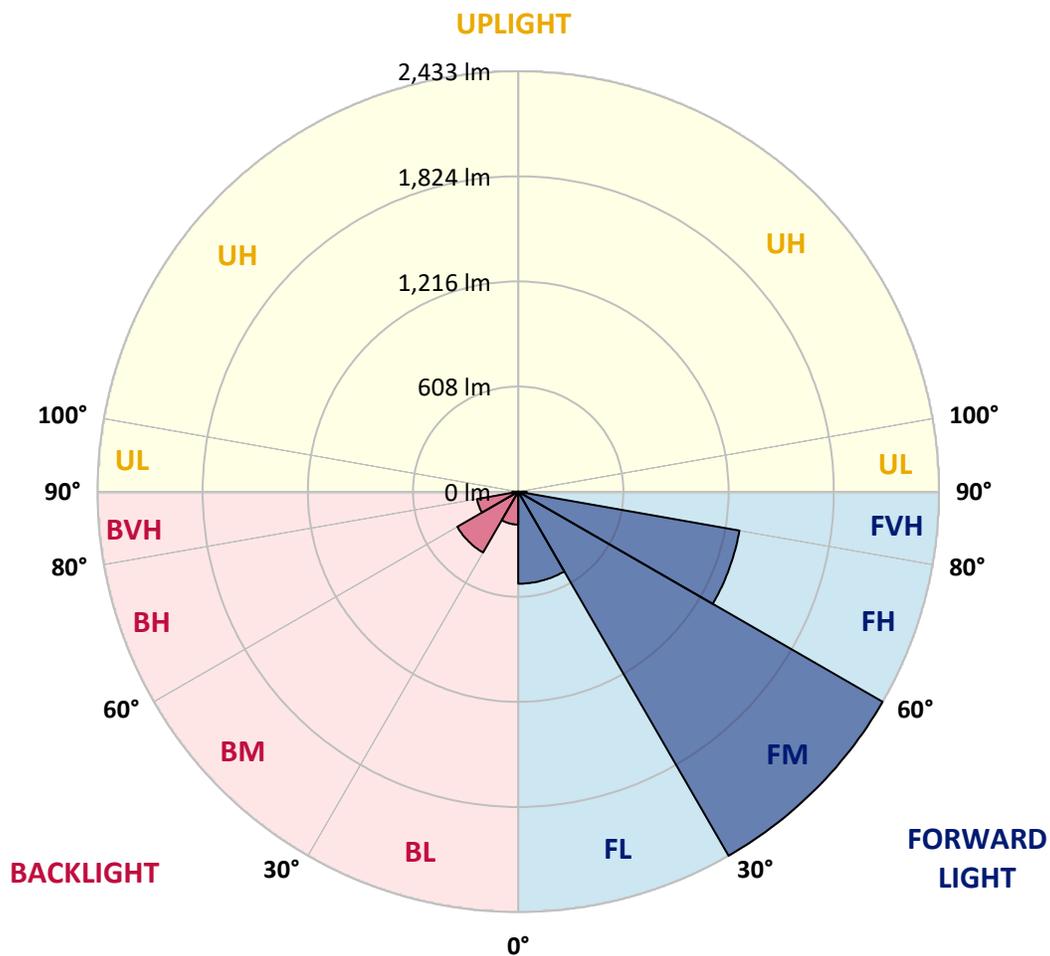
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	532.6	10.3			
FM	(30°-60°)	2432.6	46.9			
FH	(60°-80°)	1298.9	25.0			G1/1800
FVH	(80°-90°)	49.3	1.0			G1/100
BL	(0°-30°)	190.3	3.7	B1/500		
BM	(30°-60°)	406.3	7.8	B1/1000		
BH	(60°-80°)	241.8	4.7	B1/500		G1/500
BVH	(80°-90°)	34.2	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6
2.5°	628.7	619.2	618.3	604.4	601.2	574.7	555.1	534.7	511.5	506.9	488.6
5°	807.6	806.7	794.6	771.8	754.1	708.6	663.7	616.2	564.1	555.6	514.4
7.5°	968.5	967.1	957.8	933.3	907.6	851.8	787.7	714.8	630.3	617.8	549.5
10°	1090.7	1090.2	1087.0	1069.0	1047.2	993.7	922.9	823.4	707.2	690.2	593.3
12.5°	1185.1	1186.1	1188.2	1181.9	1171.5	1125.9	1053.4	938.6	789.3	772.4	642.1
15°	1249.0	1252.1	1263.0	1272.0	1277.5	1249.5	1179.2	1056.4	881.2	860.9	696.1
17.5°	1281.2	1284.7	1303.5	1330.7	1355.7	1352.8	1297.0	1168.7	969.4	949.8	754.2
20°	1309.0	1311.6	1332.8	1365.3	1409.5	1429.1	1397.7	1276.8	1066.0	1042.8	815.9
22.5°	1389.6	1393.0	1399.3	1417.8	1456.9	1492.8	1477.7	1379.1	1154.6	1132.9	874.3
25°	1545.3	1549.3	1535.6	1519.9	1527.3	1552.3	1555.1	1472.4	1244.4	1219.9	937.2
27.5°	1732.8	1738.6	1715.2	1674.8	1639.6	1630.0	1626.6	1548.8	1330.1	1301.8	999.3
30°	1916.4	1926.4	1896.0	1843.7	1779.1	1733.7	1700.0	1623.6	1414.6	1387.5	1057.9
32.5°	2095.8	2091.8	2047.6	1996.5	1920.8	1863.9	1782.6	1703.9	1509.7	1478.5	1116.2
35°	2218.7	2220.1	2179.1	2118.5	2046.3	2002.7	1893.2	1790.5	1606.7	1578.0	1182.4
37.5°	2323.3	2316.8	2270.3	2213.8	2151.6	2133.0	2022.6	1885.9	1711.8	1680.5	1252.8
40°	2358.1	2350.6	2320.1	2279.4	2229.6	2228.0	2165.3	1994.0	1830.7	1799.7	1332.2
42.5°	2337.0	2327.3	2314.8	2303.7	2288.4	2295.5	2299.5	2120.8	1961.3	1926.6	1424.1
45°	2259.0	2244.4	2253.2	2277.3	2310.6	2350.4	2420.6	2261.1	2107.6	2078.6	1532.1
47.5°	2139.1	2125.9	2153.4	2205.0	2295.5	2396.2	2535.2	2416.1	2282.3	2253.4	1685.8
50°	1970.5	1974.3	2013.6	2107.4	2244.2	2417.3	2676.4	2621.2	2536.1	2509.2	1895.5
52.5°	1693.7	1694.4	1805.0	1959.0	2153.4	2406.4	2754.8	2883.3	2882.8	2850.2	2095.1
55°	1436.6	1452.3	1539.8	1744.6	2006.2	2362.7	2809.5	3010.8	3110.4	3072.2	2281.2
57.5°	1185.6	1194.7	1277.7	1483.3	1796.2	2246.3	2865.7	3163.8	3372.8	3348.6	2512.5
60°	900.0	914.1	999.8	1189.8	1527.5	2039.8	2871.0	3323.5	3686.3	3662.0	2770.8
62.5°	584.2	608.5	688.7	866.7	1202.5	1742.8	2748.5	3427.9	3983.5	3974.9	3000.0
65°	335.7	354.1	409.9	547.2	829.6	1369.9	2457.1	3387.7	4166.4	4161.5	3085.8
66°	274.3	285.7	328.5	427.6	684.5	1203.0	2287.7	3303.0	4184.6	4184.7	3075.9
67.5°	219.4	224.5	243.7	306.2	505.1	953.5	1985.1	3116.2	4162.0	4168.2	3012.4
70°	181.5	184.2	190.1	205.3	275.7	575.0	1409.0	2630.8	3935.8	3940.6	2764.3
72.5°	162.9	164.4	166.7	168.8	194.5	321.3	860.6	2104.6	3450.8	3456.9	2386.3
75°	147.5	148.4	148.1	148.2	163.2	204.8	444.7	1571.3	2790.2	2777.9	1828.0
77.5°	129.6	130.5	128.7	129.1	144.4	157.4	221.3	1100.0	1883.0	1796.0	1029.9
80°	109.5	110.2	109.5	110.7	125.7	118.8	128.7	618.8	832.6	787.5	366.2
82.5°	82.7	85.7	87.9	92.8	103.5	84.5	86.1	241.0	253.5	241.4	112.3
85°	36.3	44.2	66.2	71.0	77.8	50.7	56.5	98.2	103.2	100.0	40.8
87.5°	9.5	10.4	32.7	41.2	43.1	22.9	29.4	44.7	47.2	44.7	13.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6
2.5°	478.9	470.3	454.8	441.0	430.6	423.6	416.6	413.0	410.9	408.8	409.2
5°	494.2	476.8	450.2	431.3	420.8	414.1	410.6	409.2	408.3	406.2	406.2
7.5°	517.3	492.6	456.0	436.6	428.4	423.2	421.1	420.4	419.4	416.9	417.3
10°	546.3	511.8	468.1	449.3	441.7	436.1	433.1	432.0	430.1	427.3	427.6
12.5°	580.5	535.6	484.2	464.4	455.3	447.7	442.8	439.8	436.5	432.8	432.9
15°	617.8	561.5	501.4	478.0	465.5	454.9	447.0	441.9	436.6	432.0	431.9
17.5°	655.6	586.5	514.6	485.4	468.5	454.6	443.8	435.9	429.4	423.8	423.2
20°	696.5	609.0	522.0	484.7	462.9	446.3	432.0	422.2	415.0	409.3	408.5
22.5°	738.0	630.1	523.2	477.5	450.4	430.1	415.1	404.2	396.8	391.0	388.9
25°	776.1	646.5	518.1	463.6	432.9	411.1	396.5	385.4	379.4	372.5	370.4
27.5°	810.8	657.9	507.9	445.8	413.4	391.9	378.2	368.7	362.2	356.9	355.1
30°	841.9	664.1	491.2	424.7	393.3	373.8	362.2	355.6	350.0	343.3	342.1
32.5°	871.5	664.1	469.7	401.6	373.4	357.8	350.9	346.8	340.5	334.0	332.2
35°	901.1	660.0	444.4	377.5	355.1	346.3	346.0	341.2	331.5	322.7	320.4
37.5°	932.2	651.8	415.9	354.9	340.1	341.2	344.2	333.6	319.9	307.4	304.1
40°	967.4	640.3	386.3	335.4	327.6	338.9	339.4	322.7	296.0	284.5	281.5
42.5°	1008.8	628.9	358.8	318.1	317.8	332.0	330.5	299.1	283.1	277.3	275.7
45°	1063.2	622.4	332.8	301.8	310.0	321.0	315.1	286.1	279.4	276.1	274.7
47.5°	1149.0	625.7	308.8	288.7	302.3	309.9	286.6	280.8	276.1	272.0	270.6
50°	1256.4	623.8	289.4	279.8	293.5	298.2	273.8	273.9	271.5	266.9	264.8
52.5°	1337.2	608.6	276.9	274.7	285.7	277.6	265.7	267.3	266.0	259.3	257.0
55°	1415.2	595.6	270.6	272.7	280.1	251.9	256.2	260.0	258.8	252.3	251.2
57.5°	1512.2	593.1	266.7	273.2	275.4	239.1	247.0	252.1	251.2	248.4	247.9
60°	1631.0	593.8	263.2	274.1	270.1	229.6	238.4	244.9	245.4	244.9	244.5
62.5°	1696.3	574.7	254.4	271.7	260.7	221.3	229.4	238.9	239.1	240.1	240.0
65°	1640.9	517.3	238.0	263.0	245.1	214.4	221.7	232.0	229.4	234.2	234.2
66°	1587.0	484.2	229.9	257.4	238.4	211.8	219.2	228.5	225.2	231.7	231.7
67.5°	1477.0	428.4	215.3	245.4	228.9	208.1	216.4	222.7	218.1	227.8	227.1
70°	1275.9	331.3	185.9	218.3	213.2	202.6	212.5	211.1	204.4	219.2	216.4
72.5°	1075.7	251.8	149.3	182.7	189.4	195.8	207.0	196.3	187.9	198.2	192.1
75°	834.7	189.3	118.0	142.1	160.0	185.0	200.5	179.2	167.1	166.0	162.7
77.5°	451.2	129.9	93.5	108.5	127.1	171.7	196.1	160.9	142.6	138.4	135.7
80°	178.7	84.5	68.0	82.2	88.9	152.3	185.6	139.6	117.6	113.4	109.3
82.5°	73.8	50.0	43.8	55.1	57.9	130.3	166.6	114.4	90.8	125.7	133.5
85°	31.7	27.5	26.1	28.5	32.7	91.4	132.6	87.3	98.1	87.5	69.5
87.5°	9.5	11.6	11.1	10.9	12.0	21.8	70.6	48.6	72.0	27.3	20.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)